

TECHNICAL DATA SHEET

PMAFIX IP66 - BVTD - T-Junction

PMA



One-piece, polyamide T-junction for flexible non-metallic conduit



Applications:

- For cable protection systems in a wide range of applications

Features & Benefits:

- Very high impact resistance
- Vibration-proof connection to PMAFLEX Conduits
- Easy installation: simple push fit assembly
- High conduit pull-out strength
- Can be easily re-opened with a screwdriver
- Very good chemical properties
- Fits both conduit profiles - fine (T) and coarse (G)

Ingress protection:

- IP66 (EN/IEC 60529)

Materials:

- High-grade, specially formulated polyamide 6

Compatible with:

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

Conforms to:

- EN 45545-2 HL3 (R23 & R23)
- NFPA 130
- UL 94 (V0)
- UL 1696 (UL file E80294)
- CSA C22.2 No. 227.3-05 (CSA file LL 88703)

Weathering resistance:

- Very good UV resistance and weathering characteristics, particularly in black

Colour:

- Black
- Grey

Chemical properties:

- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

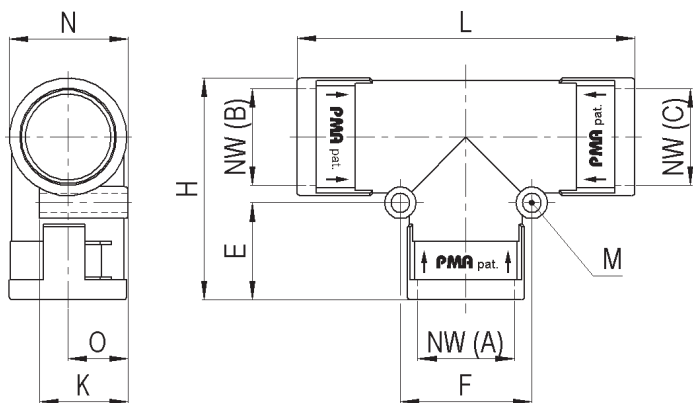
Environmental properties:

- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.		Conduit size			Dimensions in mm (nom.)									Weight	Packing unit
black	grey	NW (A)	NW (B)	NW (C)	E	F	H	K	L	M	N	O		kg/100 pcs	pcs/PU
BVTD-101010GT	SVTD-101010GT	10	10	10	19.0	21.0	39.5	16.0	59.0	2xM4	21	10.5		1.5	50
BVTD-121212GT	SVTD-121212GT	12	12	12	22.5	26.5	47.5	18.5	71.5	2xM4	24	12.0		1.8	50
BVTD-171717GT	SVTD-171717GT	17	17	17	29.5	34.0	61.5	22.0	93.5	2xM5	30	15.0		3.4	50
BVTD-232323GT	SVTD-232323GT	23	23	23	30.5	41.5	70.0	28.0	106.5	2xM5	37.5	19.0		5.6	20
BVTD-292929GT	SVTD-292929GT	29	29	29	31.5	48.0	77.5	32.5	111.0	2xM5	44.5	22.5		6.7	20
BVTD-363636GT	SVTD-363636GT	36	36	36	44.0	57.0	99.0	40.0	150.5	2xM6	54.5	27.5		13.1	5
BVTD-484848GT	SVTD-484848GT	48	48	48	43.0	71.0	111.5	47.5	163.0	2xM6	66.5	33.5		20.5	5

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



Mechanical Properties:	Value:	Test parameters:	Test method:
Tensile modulus	1'200 ... 3'700 N/mm ²		ISO 527
Tensile strength	45 ... 65 N/mm ²		ISO 527
Notched bar impact test	4 ... 20 kJ/m ²		ISO 180/1C
Vibration and shock standard	Cat. 2	IEC 61373, IEC 60068-2-27 / -64	

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	- 50 ... + 105 °C		PMA DO 9.21-4510
Upper application temperature	+ 120 °C	(20'000 h)	PMA DO 9.21-4360
Short-term	+ 160 °C	(168 h)	PMA DO 9.21-4360

Fire safety properties:	Value:	Test parameters:	Test method:
Fire performance	non flame-propagating		IEC EN 61386-1
Flame class	V0		UL 94
Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 150 Ds max.		EN ISO 5659-2 (25 kW/m ²)
Toxicity	< 0.75 CIT _{NLP}		NF X 70-100-1/-2: (600 °C)
Fire hazard level	HL3		EN 45545-2 (R23)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 300 Ds max.		EN ISO 5659-2 (25 kW/m ²)
Toxicity	< 1.5 CIT _{NLP}		NF X 70-100-1/-2: (600 °C)
Fire performance NFPA 130:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
Heat and visible smoke	26.00 MJ/kg		ASTM E 1354
Smoke emission toxicity	compliant		Bombardier SMP 800-C
Smoke emission toxicity	compliant		Boeing BSS 7241

Content of delivery:

- T-junction with premounted conduit locking clip (AFN2)

Assembly instructions:

- Push-in conduit with a slight twist and pull back slightly to ensure the locking clip clicks into place

Please consider the appropriate assembly instructions on www.pma.ch

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